

Title (en)
HEAT EXCHANGER WITH BYPASS

Title (de)
WÄRMETAUSCHER MIT BYPASS

Title (fr)
ECHANGEUR DE CHALEUR AVEC DÉRIVATION

Publication
EP 2084480 A1 20090805 (EN)

Application
EP 07816161 A 20071109

Priority
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• US 55904206 A 20061113

Abstract (en)
[origin: US2008110595A1] A heat exchanger with an external bypass is formed by a core portion including a plurality of stacked tubular members and a corrugated bypass tube positioned substantially parallel to the core portion. A first set of flow passages is defined within the tubular members for the flow of a first fluid therethrough, and a second set of flow passages is defined between adjacent tubular members as the tubular members are stacked together to form the core portion. A pair of external end plates is sealingly attached to transverse end wall portions of the stacked tubular members and to the ends of the bypass tube thereby forming the heat exchanger with an external bypass that comprises a single unit that can be brazed or joined together in a single operation.

IPC 8 full level
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